

(19)日本国特許庁 (JP)

(12) 公開特許公報 (A)

(11)特許出願公開番号

特開平11-226266

(43)公開日 平成11年(1999)8月24日

(51)Int.CI
A 6 3 G 31/00
21/04
21/20

識別記号

P 1
A 6 3 G 31/00
21/04
21/20

審査請求 未請求 詞求項の数2 FD (全3頁)

(21)出願番号	特願平10-48846
(22)出願日	平成10年(1998)2月13日

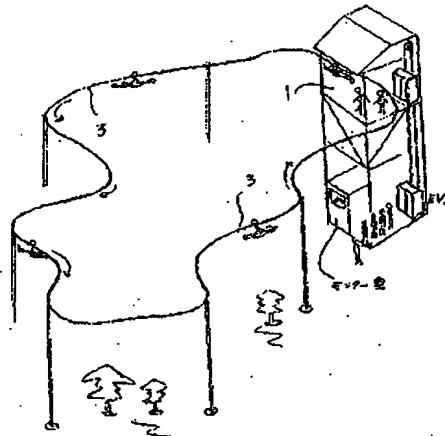
(71)出願人 590005298
針谷 直樹
栃木県下都賀郡壬生町通町16-20
(72)発明者 針谷 直樹
栃木県下都賀郡壬生町通町16-20
(74)代理人 弁理士 楠田 尚夫

(54)【発明の名称】 宙泳遊戯装置

(57)【要約】

【課題】 子供から大人まで、スーパーマンのように宙を飛び回れる感覚を満喫できる、遊園地等に設備する装置を提供する。

【解決手段】 高架ステーション1を有する二点間軌道2或いは無造軌道3を高架させ、該軌道2、3に主吊ロープ5、分岐吊ロープ6を介して人体の肩部、腰部、股部の各支持具7、8、9を装着した人体水平吊具4を滑走自在に載架し、該人体水平吊具2の操縦がモニター室にて電気的制御される宙泳遊戯装置である。



(2)

特開平11-226266

2

【特許請求の範囲】

【請求項1】 高架ステーション(1)を有する二点間軌道(2)或いは無端軌道(3)を高架させ、該軌道(2)、(3)に主吊ロープ(5)、分岐吊ロープ(6)を介して人体の肩部、腰部、股部の各支持具(7)、(8)、(9)を装着した人体水平吊具(4)を滑走自在に載架し、該人体水平吊具(2)の操縦がモニター室にて電気的制御される宙泳遊戯装置。

【請求項2】 一方に高架ステーション(1a)、他方に惰力走行停止を促す低地ステーション(1b)を有する二点間軌道(2)を架設し、該軌道(2)に主吊ロープ(5)、分岐吊ロープ(6)を介して人体の肩部、腰部、股部の各支持具(7)、(8)、(9)を装着した人体水平吊具(4)を滑走自在に載架し、該人体水平吊具(2)の操縦がモニター室にて電気的制御される宙泳遊戯装置。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】 本発明は、遊園地等に設備し、宙を飛び回る感覚を満喫できる遊戯装置に関する。

【0002】

【従来の技術】 遊園地にはジェットコースター、ウォーターシュート、遠心ブランコ、旋回飛行機、搖籃船などスリルを味合う遊戯装置が多くあるが、スーパーマンのように単独で宙を飛び回る感覚を満喫できる遊戯装置は、出類入の知る限りでは見当らない。

【0003】

【発明が解決しようとする課題】 本発明は、これに応えて、子供から大人まで、スーパーマンのように宙を飛び回る感覚を満喫できる、遊園地等に設備する遊戯装置を提供するものである。

【0004】

【課題を解決するための手段】 上記目的を達成するため、本発明は、高架ステーション(1)を有する二点間軌道2或いは無端軌道3を高架させる。そしてその軌道2、3に主吊ロープ5、分岐吊ロープ6を介して人体の肩部、腰部、股部の各支持具7、8、9を装着した人体水平吊具4を滑走自在に載架する。そしてその人体水平吊具4の操縦がモニター室にて電気的に制御される宙泳遊戯装置である。

【0005】 また、一方に高架ステーション1a、他方に惰力走行停止を促す低地ステーション1bを有する二点間軌道2を架設する。そして、その軌道2に主吊ロープ5、分岐吊ロープ6を介して人体の肩部、腰部、股部の各支持具7、8、9を装着した人体水平吊具4を滑走自在に載架する。そして、その人体水平吊具4を、前記高架ステーション1aより低地ステーション1bに向けて直線状又は波状に自然落下させる宙泳遊戯装置であ

る。

【0006】

【発明の実施の形態その一】 図1において3が遊園地等に高架させた、中に高架ステーション1を有する無端軌道で、その無端軌道3に電動ローラ4aを介して人体水平吊具4を滑走自在に載架させる。そして、この人体水平吊具4は、主吊ロープ5、分岐吊ロープ6を介してゴム帶で輪通しに形成した肩部、腰部、股部の各支持具7、8、9が接着されている。そしてこの人体水平吊具4の操縦が、地上モニター室にて電気的に制御されるよう構成した宙泳遊戯装置である。

【0007】

【発明の実施の形態その二】 図3において2が遊園地等に架設した、一方に高架ステーション1a、他方に惰力走行停止を促す低地ステーション1bを有する二点間軌道で、その軌道2にローラ4bを介して人体水平吊具4を滑走自在に載架せる。そして、この人体水平吊具4は、主吊ロープ5、分岐吊ロープ6を介してゴム帶で輪通しに形成した肩部、腰部、股部の各支持具7、8、9が接着されている。そしてこの人体水平吊具4の操縦が、前記高架ステーション1aより低地ステーション1bに向け直線状又は波状に自然落下されることにより行われる宙泳遊戯装置である。

【0008】

【発明の作用並びに効果】 本発明は以上のように、ステーションにて肩部、腰部、股部に輪通しの支持具7、8、9を通し、あたかもウルトラマンのように水平下向きの姿勢で手脚を伸す。そして要員から点検を受けた上、実施の形態その一にあってはモニター室の発進指令により、その二にあっては手動により軌道発進をする。その後、その一にあっては終始モニター室による電気的制御により走行、速度調節、停止の操縦が行われ、その二にあっては自然落下により高架ステーション1aより低地ステーション1bに導かれる。

【0009】 その間、遊戯者はウルトラマンの飛翔の姿で、下界を見陟ろしつつ、或いは頭を稍もたげて前方の空を見据えつつ宙泳を満喫する。本発明の実施にあたっては、設備の安全性、運転の安全性に最大の配慮がなされなければならないことは言うまでもない。

【図面の簡単な説明】

【図1】 本発明の実施形態の側面図

【図2】 同上軌道及び人体水平吊具の部分斜視図

【図3】 本発明の別の実施形態の側面図

【図4】 同上軌道及び人体水平吊具の部分斜視図

【符号の説明】

1	高架ステーション
2	二点間軌道
3	無端軌道
4	人体水平吊具
5	主吊ロープ

50 5

(3)

特開平11-226266

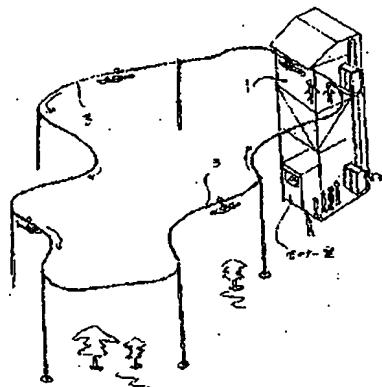
6 分岐吊ロープ
7 人体の肩部の支持具
8 人体の腰部の支持具

3

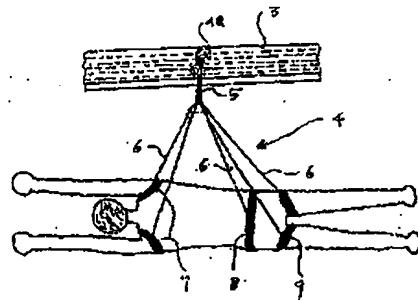
* 9 人体の股部の支持具
1 a 高架ステーション
* 1 b 低地ステーション

4

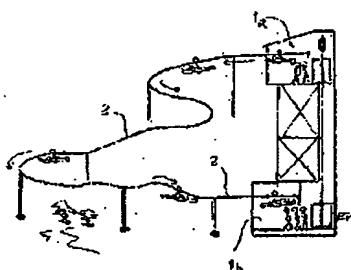
【図1】



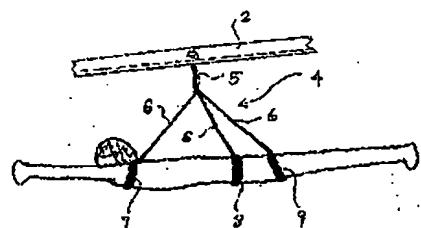
【図2】



【図3】



【図4】



PATENT ABSTRACTS OF JAPAN

(11) Publication number : 11-226266

(43) Date of publication of application : 24.08.1999

(51) Int.CI.

A63G 31/00

A63G 21/04

A63G 21/20

(21) Application number : 10-048846

(71) Applicant : HARIGAI NAOKI

(22) Date of filing : 13.02.1998

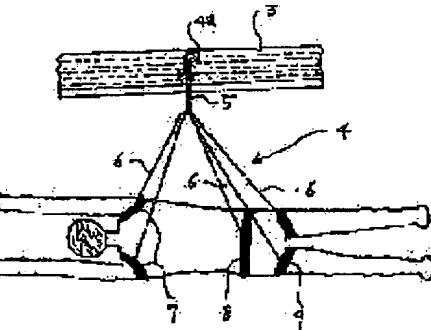
(72) Inventor : HARIGAI NAOKI

(54) SPACEWALKING GAME DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To fully enjoy the feeling of a spacewalking such as a superman by a method wherein a human body horizontally hanging utensil for which respective supporting utensils for the shoulder part, the waist part and the crotch part of a human body are fitted, is slidably mounted, and the control of the human body horizontally hanging utensil is electrically controlled in a monitor room.

SOLUTION: An endless track which is bridged in a recreation ground or the like, and has bridging stations at intermediate locations, is provided, and on the endless track 3, a human body horizontally hanging utensil 4 is slidably mounted with an electric roller 4a. Then, on the human body horizontally hanging utensil 4, respective supporting utensils 7, 8, 9 for the shoulder part, the waist part, and the crotch part which are formed into ring shapes of a rubber band with a fixed suspension rope 5 and a branched suspension rope 6 are fitted. The control of such a human body horizontally hanging utensil 4 is constituted in a manner to be electrically controlled at a ground monitor room. By this method, everybody from children to adults can fully enjoy the feeling of a spacewalking such as a superman.



LEGAL STATUS

[Date of request for examination] 16.12.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision]

of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

* NOTICES *

JPO and NCIP are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention is furnished to an amusement park etc. and relates to the play equipment which flies the air and can enjoy ***** sensation fully.

[0002]

[Description of the Prior Art] Although there is ***** play equipment in an amusement park plentifully about thrills, such as a roller coaster, water chute, a centrifugal swing, a turning airplane, and a cradle ship, the play equipment which flies the air independently like a superman and can enjoy ***** sensation fully is not found as far as an applicant gets to know.

[0003]

[Problem(s) to be Solved by the Invention] This invention offers the play equipment with which both children and adults fly the air like a superman, and can enjoy ***** sensation fully and which is furnished to an amusement park etc. in response to this.

[0004]

[Means for Solving the Problem] In order to attain the above-mentioned object, this invention carries out elevated [of the point to point orbit 2 or the endless orbit 3 which has the elevated station 1]. And the body level suspender 4 which equipped the orbits 2 and 3 with each support 7, 8, and 9 of the shoulder of the body, the lumbar part, and a crotch through the main ** rope 5 and the ***** rope 6 is constructed, enabling a free skid. And control of the body level suspender 4 is **** play equipment electrically controlled by the monitor room.

[0005] Moreover, the point to point orbit 2 which has wash station 1b which urges elevated station 1a to one side, and urges a coasting halt to another side is constructed. And the body level suspender 4 which equipped the orbit 2 with each support 7, 8, and 9 of the shoulder of the body, the lumbar part, and a crotch through the main ** rope 5 and the ***** rope 6 is constructed, enabling a free skid. And it is **** play equipment which the body level suspender 4 is turned [equipment] to wash station 1b, and makes the shape of the shape of a straight line, and a wave it carry out natural drop from said elevated station 1a.

[0006]

[1 of ***** of implementation of invention] The endless orbit 3 is made to construct the body level suspender 4 free [a skid] through electric roller 4a on the endless orbit which 3 made the amusement park etc. carry out elevated in drawing 1 and which has the elevated station 1 in the medium. And it is equipped with each support 7, 8, and 9 of the shoulder which formed this body level suspender 4 in ring through with the rubber band through the main ** rope 5 and the ***** rope 6, the lumbar part, and a crotch. And control of this body level suspender 2 is **** play equipment constituted so that it might be electrically controlled by the ground monitor room.

[0007]

[2 of ***** of implementation of invention] The body level suspender 4 is made to construct over the orbit 2 free [a skid] through roller 4b on the point to point orbit which has wash station 1b which 2 constructed over the amusement park etc. in drawing 3 , and which urges elevated station 1a to one side, and urges a coasting halt to another side. And it is equipped with each support 7, 8, and 9 of the shoulder which formed this body level suspender 4 in ring through with the rubber band through the main ** rope 5 and the ***** rope 6, the lumbar part, and a crotch. And control of this

body level suspender 4 is **** play equipment performed by making the shape of the shape of a straight line, and a wave carry out natural drop towards wash station 1b from said elevated station 1a.

[0008]

[Function and Effect of the Invention] This invention is above, lets the ring through support 7, 8, and 9 pass to a shoulder, the lumbar part, and a crotch at a station, and lengthens **** with the position of the water Hirashita sense just like Ultraman. And if it is in 1 of ***** of operation on a carrier beam about inspection from personnel and is in the 2 by the start command of a monitor room, orbital start is carried out with hand control. Then, if it is in the 1, control of transit, rate accommodation, and a halt is performed from beginning to end by the electric control by the monitor room, and if it is in the 2, it is led to wash station 1b from elevated station 1a by natural drop.

[0009] In the meantime, a play person enjoys [while seeing and taking down lower bound to the figure of flight of Ultraman, or] **** fully, ** also gazing the head at the empty ahead of *****. It cannot be overemphasized that the greatest consideration must be made by the safety of a facility and the safety of operation in operation of this invention.

[Translation done.]

* NOTICES *

JPO and NCIP are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] It carries out elevated [of the point to point orbit (2) or endless orbit (3) which has an elevated station (1)]. **** play equipment with which the body level suspender (4) which equipped this orbit (2) and (3) with each support (7) of the shoulder of the body, the lumbar part, and a crotch, (8), and (9) through the main ** rope (5) and the ***** rope (6) is constructed, enabling a free skid, and electric control of the control of this body level suspender (2) is carried out at a monitor room.

[Claim 2] The point to point orbit (2) which has the wash station (1b) which urges an elevated station (1a) to one side, and urges a coasting halt to another side is constructed. The main ** rope (5) and a ***** rope (6) are minded [this] (2). The shoulder of the body, **** play equipment which the body level suspender (4) equipped with each support (7) of the lumbar part and a crotch, (8), and (9) is constructed enabling a free skid, and this body level suspender (4) is turned [equipment] to a wash station (1b) from said elevated station (1a), and makes the shape of the shape of a straight line, and a wave it carry out natural drop.

[Translation done.]

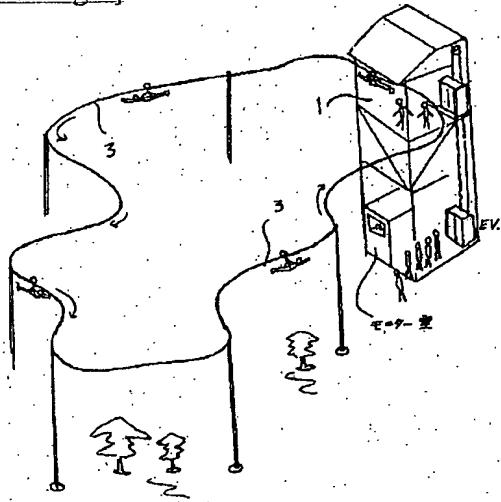
* NOTICES *

JPO and NCIP are not responsible for any damages caused by the use of this translation.

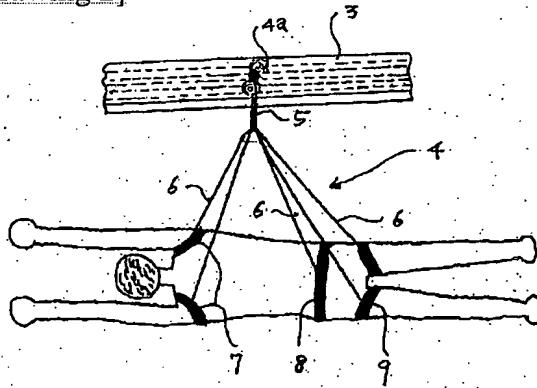
1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

DRAWINGS

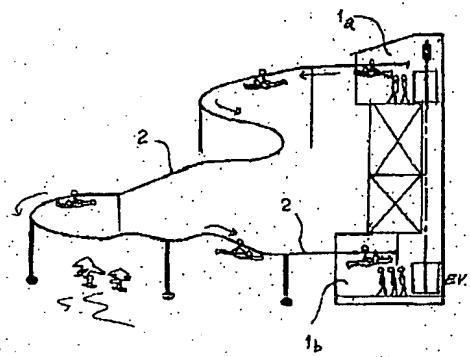
[Drawing 1]



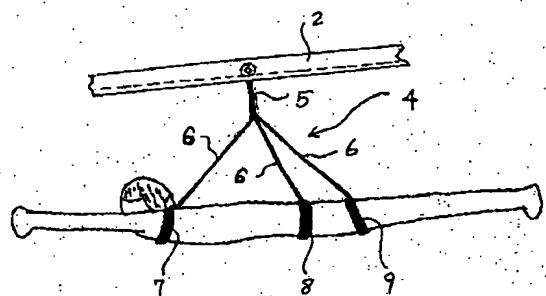
[Drawing 2]



[Drawing 3]



[Drawing 4]



[Translation done.]